

13/05/2017

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BASIC INFORMATION

QUICK SUMMARY:

The song used is Get Ugly by Jason Derulo. And it is protected under the standard Youtube License. I have repeated the studio that Scott Smitelli did in 2009 and then compared the results gotten.

URL Scott Smitelli research: <http://www.scottsmitelli.com/articles/youtube-audio-content-id>

SOFTWARE USED:

- Audacity
- Adobe After Effects
- HandBrake

VIDEO USED:

Jason Derulo - "Get Ugly" (Official Music Video)

JASON DERULO GET UGLY

Jason Derulo - "Get Ugly" (Official Music Video)

Jason Derulo

Subscribe 6.6M

126,879,568 views

+ Add to ↗ Share ... More

👍 893,915 👎 33,350

Published on Dec 14, 2015
 Jason Derulo's "Everything Is 4" album is available now on iTunes. Download it here:
<http://www.smarturl.it/EverythingIs4>

Damn that's ugly	
Category	Music
License	Standard YouTube License
Music	"Get Ugly" by Jason Derulo (Google Play • iTunes)

SHOW LESS

COPYRIGHT MESSAGES

I have received 2 types of Youtube copyright message:

- Blocked in all countries (when the image and sound matches with the copyrighted content)
- Monetization of the video by the label who owns the copyright

BLOCKED IN ALL COUNTRIES

Links to the videos

Original video and song. Completely the same as the original.

- [JDGU origina](#)

Info received from youtube:

Warning: Blocked worldwide

Viewing restrictions: Video blocked in all countries

Monetization: Can't monetize video

Action required: Nothing if you agree with the conditions

Options of reply given: File a dispute

Policy: Blocked in all countries

Claimant: WMG

Video manager interface:



JDGU original
May 13, 2017 1:56 PM
[Edit](#)


 

0 views

 Blocked worldwide

 0
 0
 0

Copyright info:

 You need to upgrade your Adobe Flash Player to watch this video.
[Download it from Adobe.](#)

Your video has been blocked.

Copyrighted content was found in your video.
Because of the claimant's policy, this video can't be played on YouTube.


VIEWING RESTRICTIONS	Video blocked in all countries ⓘ
MONETIZATION	Can't monetize video ⓘ

If you agree with these conditions, you don't have to do anything.
[Learn more](#)

Details

CONTENT	CLAIMANT	POLICY
Audiovisual content 0:01 - 3:50 play match	WMG	Blocked in all countries ⓘ File a dispute ⓘ

Mail received:



Hi Jebeu Bej,

Due to a copyright claim, your YouTube video has been blocked. This means that your video can no longer be played on YouTube.

Video title: JDGU original
Copyrighted content: Get Ugly
Claimed by: WMG

[View claim details](#)

Why this can happen

- Your video might contain copyrighted content.
- Copyright owners can choose to block YouTube videos that contain their content.

- The YouTube Team

[Help center](#) • [Email options](#) • [Report spam](#)

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Observations:

- Because there is video, the copyright content found starts right at the beginning, and finishes

right at the end of the video. The one that only plays the music, finds the copyright content a bit later because the intro is not recognised as a copyrighted.

MONETIZATION OF THE VIDEO

I have only attached one example of the result, but I have the screen capture of all of them

Links to the videos

Changing on pitch

- [JDGU pitch minus5](#)
- [JDGU pitch minus6](#)
- [JDGU pitch minus7](#)
- [JDGU pitch minus10](#)
- [JDGU pitch minus25](#)
- [JDGU pitch plus5](#)
- [JDGU pitch plus6](#)
- [JDGU pitch plus7](#)
- [JDGU pitch plus10](#)
- [JDGU pitch plus25](#)

Changing on time

- [JDGU time minus5](#)
- [JDGU time minus6](#)
- [JDGU time minus7](#)
- [JDGU time minus10](#)
- [JDGU time minus25](#)
- [JDGU time plus25](#)
- [JDGU time plus10](#)
- [JDGU time plus7](#)
- [JDGU time plus 6](#)
- [JDGU time plus5](#)

Resample

- [JDGU resample 44100Hz](#)
- [JDGU resampling 11025Hz](#)
- [JDGU resampling 16000Hz](#)
- [JDGU resampling 22050Hz](#)
- [JDGU resampling 32000Hz](#)
- [JDGU resampling 48000Hz](#)
- [JDGU resampling 88200Hz](#)
- [JDGU resampling 96000Hz](#)

Inserting white noise

- [JDGU noise minus10WN minus25song](#)
- [JDGU noise minus15WN minus20song](#)
- [JDGU noise minus20WN minus15song](#)
- [JDGU noise minus25WN minus10song](#)
- [JDGU noise minus30WN minus5song](#)

Other kind of noise

[JDGU noise - recording only song](#)
[JDGU noise recording two copyrighted songs](#)
[JDGU noise two copyrighted songs start same time](#)
[JDGU noise two copyrighted songs](#)

Volume:

[JDGU volume minus6db](#)
[JDGU volume minus12db](#)
[JDGU volume minus18db](#)
[JDGU volume minus48db](#)
[JDGU volume minus24db](#)
[JDGU volume plus6db](#)
[JDGU volume plus12db](#)
[JDGU volume plus18db](#)
[JDGU volume plus24](#)
[JDGU volume plus48db](#)

Repeat a chunk from the song:

[JDGU chunks 60s](#)
[JDGU chunks 45s](#)
[JDGU chunks last 160s](#)

All the song played in mixed chunks

[JDGU chunks mixed 30s](#)

Changes on stereo and mono

[JDGU both channels mono playing on stereo](#)
[JDGU both channels play left](#)
[JDGU both channels play right](#)
[JDGU both waves in both channels](#)
[JDGU invert channels](#)

Info received from Youtube:

Warning: Includes copyrighted content

Viewing restrictions: None

Monetization: Monetized by claimant

Action required: Nothing if you agree with the conditions

Options of reply given: File a dispute / Remove song

Policy: Monetized by copyright owner

Claimant: WMG. On behalf of Warner Bros. Label

Video manager interface:



02 JDGU audio

May 13, 2017 3:33 PM

3:50

Edit ▼

©

0 views

Includes copyrighted content

0

0

0

Copyright info:

You need to upgrade your Adobe Flash Player to watch this video.
[Download it from Adobe.](#)

Ads might appear on your video.

Copyrighted content was found in your video.
 The claimant is allowing their content to be used in your YouTube video.
 However, ads might appear on it.

VIEWING RESTRICTIONS None

MONETIZATION Monetized by claimant ⓘ

If you agree with these conditions, you don't have to do anything.
[Learn more](#)

Details

CONTENT	CLAIMANT	POLICY
Get Ugly - Jason Derulo Sound recording 0:24 - 3:42 play match	WMG On behalf of: Warner Bros. Label	Monetized by copyright owner Remove song ⓘ File a dispute ⓘ

[Look up copyright policies for millions of songs](#)

Mail received:

NO MAIL RECEIVED

Observations:

- If the music matches with the content ID, the one who owes the license can place ads on your video and the monetization of the video is for them.
- There is the option to remove the song and leave only the image
- **Introduction not detected:** The PLAY MATCH starts only at the minute 00:24, when the actual song starts. It does not recognise the **introduction** which is only voice, or either it is not copyrighted.

NOT COPYRIGHTED CONTENT DETECTED

I have only attached one example of the result, but I have the screen capture of all of them

Links to the videosReversed song:[JDGU reversed](#)

Other kind of noises:

[JDGU noise recording crowd music same distance](#)[JDGU noise recording crowd music far](#)

Repeat a chunk from the song:

[JDGU chunks 5s](#)
[JDGU chunks 10s](#)
[JDGU chunks 15s](#)
[JDGU chunks 20s](#)
[JDGU chunks 25s](#)
[JDGU chunks first 45s](#) (it's like the first 30, because song starts at 00:30)
[JDGU chunks first 30s](#)
[JDGU chunks second 15s](#)

All the song played in mixed chunks
[JDGU chunks mixed 15s](#)

Changes on stereo and mono
[JDGU vocals isolated](#)
[JDGU vocals removed](#)

Info received from Youtube:

Warning: None

Viewing restrictions: --

Monetization: --

Action required: --


Options of reply given: --

Policy: --


Claimant: --


Video manager interface:


☐




03
May 13, 2017 4:41 PM
3:50
Edit

 0 views

 0

 0

 0

Copyright info:

NONE

Mail received:

NO MAIL RECEIVED

Observations:

SCOTT SMITELLI TEST RESULTS, COMPARED WITH MINE

URL with Scott Smitelli study: <http://www.scottsmitelli.com/articles/youtube-audio-content-id>

The exercises marked in purple are those that the result was different

No Description

Vid eo	Modification Performed	Result	Result mine	Modification mine	Link mine
FxR VP FT5 BK M	Description field left empty	FAIL			
			FAIL	Original song with video. BLOCKED WORLDWIDE	JDGU original
			FAIL	Original song, only audio. The copyrighted material starts with the song, not with the intro	02 JDGU audio

Reverse

Vid eo	Modification Performed	Result	Result mine	Modification mine	Link mine
dY Qn6 CW 4- VI	Song was reversed	PASS	PASS	SAME	JDGU reversed

Pitch Alteration

Vid eo	Modification Performed	Result	Result mine	Modification mine	Link mine
7A XC bscz SYs	Pitch was lowered 25%	PASS	FAIL	SAME	JDGU pitch minus25
sE2 7S6 bDo cw	Pitch was lowered 10%	PASS	FAIL	SAME	JDGU pitch minus10
6EB UG z_k 5w w	Pitch was lowered 7%	PASS	FAIL	SAME	JDGU pitch minus7
9m5 Z2p 2P7 YE	Pitch was lowered 6%	PASS	FAIL	SAME	JDGU pitch minus6
U9F lSev qiA 0	Pitch was lowered 5%	FAIL	FAIL	SAME	JDGU pitch minus5
xMI x7r dpP OI	Pitch was raised 5%	FAIL	FAIL	SAME	JDGU pitch plus5
rtL0 Dy AC oz0	Pitch was raised 6%	PASS	FAIL	SAME	JDGU pitch plus6

7b Zy2 M9i WU	Pitch was raised 7%	PASS	FAIL	SAME	JDGU pitch plus7
mk m0f luD OO A	Pitch was raised 10%	PASS	FAIL	SAME	JDGU pitch plus10
Rud FV8 HlfA l	Pitch was raised 25%	PASS	FAIL	SAME	JDGU pitch plus25

Time Alteration

Video	Modification Performed	Result	Result mine	Modification mine	Link mine
vHh ocJd CJg	Time was expanded 25%	PASS	FAIL	SAME	JDGU time plus25
Wg YeF eSl- bs	Time was expanded 10%	PASS	FAIL	SAME	JDGU time plus10
Z8I U2C ceV Xc	Time was expanded 7%	PASS	FAIL	SAME	JDGU time plus7
vo8 Kg0 Ws6 zk	Time was expanded 6%	PASS	FAIL	SAME	JDGU time plus 6
mfN YW nZ9 P9M	Time was expanded 5%	FAIL	FAIL	SAME	JDGU time plus5
e2eg 7JsV k2o	Time was compressed 5%	FAIL	FAIL	SAME	JDGU time minus5
IKL RmC Jgcw Q	Time was compressed 6%	PASS	FAIL	SAME	JDGU time minus6
Hhg N2Y 7ICg U	Time was compressed 7%	PASS	FAIL	SAME	JDGU time minus7
SDw 7Jvrf vlg	Time was compressed 10%	PASS	FAIL	SAME	JDGU time minus10
S0C- 0Rx Vc2 Y	Time was compressed 25%	PASS	FAIL	SAME	JDGU time minus25

Resampling

Scott did it with percentage. I haven't calculated the percentages yet, this is why I haven't put my exercises besides his. I don't know how precise it would be.

Video	Modification Performed	Result	Result mine	Modification mine	Link mine
HuM _gT A- Id8	Song was slowed down 25%	PASS	- exercise shown below but not in %		
T5St unpZ Ueo	Song was slowed down 5%	PASS	- exercise shown below but not in %		
6iFB NPpt eog	Song was slowed down 4%	PASS	- exercise shown below but not in %		

IMx y9Z UX XT0	Song was slowed down 3%	FAIL	- exercise shown below but not in %		
LSTj 5Lh Wlw Y	Song was sped up 3%	FAIL	- exercise shown below but not in %		
Lzt4 wIW WTz 8	Song was sped up 4%	FAIL	- exercise shown below but not in %		
S- Q7uJ 3ErT w	Song was sped up 5%	PASS	- exercise shown below but not in %		
_v82 g7p2 Qio	Song was sped up 25%	PASS	- exercise shown below but not in %		
		FAIL	resampling 96000Hz	JDGU resampling 96000Hz	
		FAIL	resampling 88200Hz	JDGU resampling 88200Hz	
		FAIL	resampling 48000Hz	JDGU resampling 48000Hz	
		FAIL	resampling 32000Hz	JDGU resampling 32000Hz	
		FAIL	resampling 22050Hz	JDGU resampling 22050Hz	
		FAIL	resampling 16000Hz	JDGU resampling 16000Hz	
		FAIL	resampling 11025Hz	JDGU resampling 11025Hz	
		FAIL	resample 44100Hz	JDGU resample 44100Hz	

Noise

Scott did it with percentage. I haven't calculated the percentages yet, this is why I haven't put my exercises besides his. I don't know how precise it would be.

In this one I have done a couple of extra exercises. Recording the song from the computer mic, playing with other sounds, or not. I also have recorded the song playing along another copyrighted song, to see if it could detect two songs at the same time or only one. It only detected one.

Vide o	Modification Performed	Result	Result mine	Modification mine	Title mine
nHA diiFs Swl	0% white noise, 100% song	FAIL	- exercise shown below but not in %		
V- sOE WQ yKy I	25% white noise, 75% song	FAIL	- exercise shown below but not in %		
R1t RH0 vBa T4	40% white noise, 60% song	FAIL	- exercise shown below but not in %		
- XF2 DY1 ku18	43% white noise, 57% song	FAIL	- exercise shown below but not in %		
yuH WK Dml tlQ	44% white noise, 56% song	FAIL	- exercise shown below but not in %		
TCO q67 p2- j0	45% white noise, 55% song	PASS	- exercise shown below but not in %		
5jQq Ma0 7yQ k	50% white noise, 50% song	PASS	- exercise shown below but not in %		

2wA Hw KBI qPY	75% white noise, 25% song	PASS	- exercise shown below but not in %	
w4f XBo jTY w	100% white noise, 0% song	PASS	- exercise shown below but not in %	
YnB 82m 8AA 4U	Camera 5' away, 0° off-axis	FAIL	– done differently	
DBE icY5 e2xI	Camera 12' away, approx. 45° off-axis	PASS	– done differently	
y7du UW MSI UM	Camera 31' away, 90° off-axis	FAIL	– done differently	
LiR Owe 4xug k	Camera in next room	PASS	– done differently	
		– done differently	FAIL, if finds: Get Ugly - Jason Derulo • Sound recording • 0:25 - 3:39	FILE MADE WITH AUDACITY. Playing 2 copyrighted songs (Jason Derulo, Get Ugly // Katy Perry, Buon Apetì) JDGU noise two copyrighted songs
		– done differently	FAIL, it finds: Get Ugly - Jason Derulo • Sound recording • 0:16 - 3:24	FILE MADE WITH AUDACITY. Playing 2 copyrighted songs (Jason Derulo, Get Ugly // Katy Perry, Buon Apetì) Music starting at the same point. Without intro JDGU noise two copyrighted songs start same time
		– done differently	FAIL, Bon Appétit - Katy Perry • Sound recording • 0:29 - 3:55	FILE RECORDED FROM COMPUTER MIC. Playing 2 copyrighted songs (Jason Derulo, Get Ugly // Katy Perry, Buon Apetì) JDGU noise recording two copyrighted songs
		– done differently	FAIL	FILE RECORDED FROM COMPUTER MIC. Recording song close and crowd voice talking far JDGU noise recording only noise
		– done differently	PASS	FILE RECORDED FROM COMPUTER MIC. Recording song and crowd voice same distance JDGU noise recording crowd music same distance
		– done differently	PASS	FILE RECORDED FROM COMPUTER MIC. Recording song far and crowd voice close JDGU noise recording crowd music far
			FAIL	White noise: -30db Song: -5db JDGU noise minus30WN minus5song
			FAIL	White noise: -25db Song: -10db JDGU noise minus25WN minus10song
			FAIL	White noise: -20db Song: -15db JDGU noise minus20WN minus15song
			FAIL	White noise: -15db Song: -20db JDGU noise minus15WN minus20song
			FAIL	White noise: -10db Song: -25db JDGU noise minus10WN minus25song

Amplification/Attenuation/DC Bias

Video	Modification Performed	Result	Result mine	Modification mine	Title mine
dOz ESZ j75 OM	Volume was reduced 48 dB	FAIL	FAIL	SAME	JDGU volume plus48db
TAZ CzT j2IC c	Volume was reduced 24 dB	FAIL	FAIL	SAME	JDGU volume plus24
PnO	Volume was reduced 18 dB	FAIL	FAIL	SAME	JDGU volume plus18db

che ExA oA					
Fjb BPv - jwfo	Volume was reduced 12 dB	FAIL	FAIL	SAME	JDGU volume plus12db
7Zrp 4FL EtV 8	Volume was reduced 6 dB	FAIL	FAIL	SAME	JDGU volume plus6db
0cA 3Ng sp2 Tc	Volume was increased 6 dB	FAIL	FAIL	SAME	JDGU volume minus6db
b06l 160 C1R E	Volume was increased 12 dB	FAIL	FAIL	SAME	JDGU volume minus12db
l3ee 8Mc emf 4	Volume was increased 18 dB	FAIL	FAIL	SAME	JDGU volume minus18db
Hns PvU Is5J c	Volume was increased 24 dB	FAIL	FAIL	SAME	JDGU volume minus24db
M6e oLB jRa HE	Volume was increased 48 dB	FAIL	FAIL	SAME	JDGU volume minus48db
uE3 Tl5u EWl 4	50% positive DC bias was added	FAIL	----XXXX not done		
IQa DdB qTd 2A	100% positive DC bias was added	FAIL	----XXXX not done		

Time Chunks

Vid eo	Modification Performed	Result	Result mine	Modification mine	Title mine
jHr3 rSV AK MM	5 second chunk, from center of song	PASS	PASS	SAME	JDGU chunks 5s
WL ath ww q3B Q	10 second chunk, from center of song	PASS	PASS	SAME	JDGU chunks 10s
9hP yB0 zVZ s8	15 second chunk, from center of song	PASS	PASS	SAME	JDGU chunks second 15s JDGU chunks 20s JDGU chunks 25s
Nz Yo Ozd He5 c	30 second chunk, from center of song	PASS	PASS	SAME	JDGU chunks first 30s
s7g McI 2C Gn w	45 second chunk, from center of song	PASS	FAIL	SAME	JDGU chunks first 45s
Fjcs pXs eW 7Q	60 second chunk, from center of song	PASS	FAIL	SAME	JDGU chunks 60s
wcB A2n Dsz	90 second chunk, from center of song	PASS			

g uOP mak 49T Zg	120 second chunk, from center of song	PASS			
n5p eCQ jsd Qo	165 second chunk, from end of song	PASS	FAIL	160 second chunk, from the end of the song	JDGU chunks last 160s
oJl lo WG 8IRI	30 second chunk, from start of song	FAIL	PASS	First 45s, the song start at 15s, so it's the same. First 30s of the song	JDGU chunks first 45s
z- vR Oyg cHb Y	15 second chunk, from start of song	PASS	PASS	First 30s, the song start at 15s, so it's first 15s	JDGU chunks first 30s
o3- Hnu DI5 Oo	15 second chunk, from 0:15 to 0:30	PASS	PASS	Second 15s, the song start at 15s, so it's second 15s	JDGU chunks second 15s

Stereo Imagery

Vid eo	Modification Performed	Result	Result mine	Modification mine	Title mine
zzo Rlh lo Kz U	Vocals were isolated	FAIL	PASS	SAME	JDGU vocals isolated
ON OT Gsc MQ SU	Vocals were removed	PASS	PASS	SAME	JDGU vocals removed
HA d4e jov 7sE	Both channels were inverted	FAIL	FAIL	SAME	JDGU invert channels
sr9 mC B4u TF0	Song was knocked out-of-phase	PASS			
iG Yz DV - 8eE g	Song converted to mono, then knocked out-of-phase	PASS			
			FAIL	Merge waves, then play the merge in both channels	JDGU both waves in both channels
			FAIL	Both channels play right	JDGU both channels play right
			FAIL	Both channels play left	JDGU both channels play left
			FAIL	Convert tone in mono. Then the result played in stereo	JDGU both channels mono playing on stereo

OVERALL CHANGES FROM THE TEST IN 2009 AND THE TEST IN 2017

MODIFICATION	2009	2017
Pitch alteration	Only recognises if the pitch is lowered or raised 5%	It recognises all alterations
Time alteration	Only recognises is altered above or under 5%	It recognises all alterations
Resampling	Only recognises if the song is slowed or speed up between 3% and 4%	It recognises all alterations
Volume (Amplification/Attenuation)	It recognises all alterations	It recognises all alterations
White noise	Only recognises it if the white noise is less than 44%	It recognises all alterations
Time chunks	Unless the song is started for the start it does not recognises it	Chunks of the song are recognised over 45 seconds
Stereo image	- Out-of-phase is not recognised - Recognises isolation of vocals	- Out-of-phase is also recognised - Doesn't recognise isolation of vocals
Reverse	Does not recognise reverse	Does not recognise reverse

OBSERVATIONS

- It's all about analysing the wave. It might vary with the song (????).
- (Stereo imagery) When two copyrighted songs are played at the same time, only one is picked.
- (Stereo imagery) Vocals isolated PASS (it might be because the wave does not vary that much).
- (Time chunks) It has become more restrictive. It detects after more than 45 seconds of a song, when the bit of the song is from middle.
- (Time chunks) Even if the pice of song is taken from the beginning, it doesn't recognise it as a copyrighted content if it is less than 45 seconds. (I tried it with 30 seconds, and it didn't get recognised). It seems it doesn't matter what part of the song is taken. As far as it is less than 45 seconds, it doesn't detect it.
- (Volume) It doesn't matter how hight or low is the volume of the song. It always recognises it.
- (Noise) It doesn't matter how many white noise you add to the song. It always recognises it.
- (Noise) When two copyrighted songs are played together, it only recognises one.
- (Noise) There are more chances that it recognises the song when two copyrighted songs are played at the same time, than when a copyrighted song is recorded with other kind of noise.
- (Noise) When the environment sound plays louder than the song, it doesn't recognise the song
- (Noise) When the environment sound plays at the same volume than the song, it doesn't recognise the song.
- (Noise) When the song plays louder than the environment sound, it recognises the song
- (Resampling) It recognises all resampled songs, from 11025Hz to 96000Hz. It used to be less restrictive.

- (Pitch alteration) It recognises all pitch alterations. It used to be less restrictive.
- (Time alteration) It recognises all time alterations. It used to be less restrictive.

